AMENDMENT TO THE SPECIFICATION

Please amend the specification by marked up replacement paragraphs as follows:

On Page 2, please replace the paragraph [0007] with the following:

-- The present invention solving the above-described problems is as follows:

(1) A laminate comprising a transparent type I collagen sheet and a cultured layer of human corneal endothelial cells provided on said sheet.

(2) The laminate according to (1) wherein the transparency of said transparent type I collagen sheet is maintained under physiological conditions.

(3) The laminate according to (1) or (2) wherein said transparent type I collagen sheet has an adhesive factor or bioadhesive layer on the opposite side from the cultured layer of human corneal endothelial cells.

(4) The laminate according to any of (1) to (3) wherein an adhesive factor or bioadhesive layer is provided between said transparent type I collagen sheet and said cultured layer of human corneal endothelial cells.

(5) The laminate according to (3) or (4) wherein said adhesive factor is human plasma fibronectin.

(6) A method for manufacturing a laminate of human corneal endothelial cells layer comprising:

preparing a transparent type I collagen sheet; and

culturing human corneal endothelial cells on said sheet to form a cultured layer of human corneal endothelial cells.

(7) The method according to (6) wherein the transparency of said transparent type I collagen sheet is maintained under physiological conditions.

(8) The method according to (6) or (7) wherein said human corneal endothelial cells are cultured on a transparent type I collagen sheet that has been coated with an adhesive factor or a bioadhesive.

(9) The method according to (8) wherein said adhesive factor is human plasma fibronectin.

(10) The method according to any of (6) to (9) wherein said human corneal endothelial cells are cultured by providing a culture solution containing human corneal endothelial cells on a transparent type I collagen sheet and applying centrifugal force in the direction of said transparent type I collagen sheet.

(11) The method according to any of [[(7)]] (6) to [[(11)]] (10) wherein in the culturing of said human corneal endothelial cells, the concentration of said human corneal endothelial cells in a culture solution is set to within a range of from 1×10^5 to 1×10^7 cells /mL.

(12) The method according to any of (6) to (11) wherein said corneal endothelial cells are cells that have been passaged.

(13) The method according to (12) wherein the passage is conducted for 2 to 10 generations.

(14) The method according to any of (6) to (13) wherein said corneal endothelial cells are cultured under conditions of 37°C and 10 percent CO2.

(15) The method according to any of (6) to (14) wherein the culturing is conducted using a cell culturing solution comprising fetal bovine serum, growth factor, and hyaluronic acid in a medium of low glucose concentration.--

On Page 7, please replace paragraph [0024] with the following:

-- The number of cells dripped onto the collagen sheet is desirably two or more times the normal density of endothelial cells (3,000 cells/mm^2), with twice (6,000 cells/mm^2) to [[10]] 20 times (60,000 cells/mm^2) being preferred.--